## GENE EXPRESSION SYSTEMS AND RECOMBINANT CELL LINES

## **Abstract**

The present invention provides gene expression systems useful for detecting
agonists of Toll-like receptors. The gene expression systems include a nucleic acid
sequence encoding a Toll-like receptor and a second nucleic acid sequence that encodes
a reporter operably linked to an expression control sequence. The recombinant cell
lines include a gene expression system according to the present invention.